

IN THE CLAIMS

Please amend the Claims as follows:

1. (Currently amended) An optical filtering module comprising:

an optical filter for at least one of transmitting, attenuating and reflecting light having a certain wavelength range,

a first optical system having an optical fiber for guiding light to be transferred to said optical filter,

a second optical system having an optical fiber for guiding light transferred from said optical filter, said second optical system being opposingly arranged to said first optical system while interposing said optical filter therebetween, and

an outer cylindrically shaped glass holder for holding therein said optical filter, said first optical system and said second optical system secured thereto,

wherein each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive.
2. (Original) The optical filtering module according to claim 1, wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said optical filter respectively; said optical filter being secured to one of said lenses of said first and second optical systems.
3. (Original) The optical filtering module according to claim 1, wherein each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein.

4. (Cancelled).

5. (Currently amended) The optical filtering module according to claim 1[[4]], wherein said inner holder is made of a glass.

6. (Original) An optical multi/demultiplexer comprising:

a wavelength selection filter for selectively transmitting light of a certain wavelength range and reflecting light of other wavelength ranges,

a first optical system having an optical fiber for guiding light to be transferred to said wavelength selection filter and an optical fiber for guiding light to be transferred from said wavelength selection filter,

a second optical system having an optical fiber for guiding light transferred to or from said wavelength selection filter, said second optical system being opposingly arranged to said first optical system while interposing said wavelength selection filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter said first optical system and said second optical system secured thereto.

7. (Original) The optical multi/demultiplexer according to claim 6, wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said wavelength selection filter respectively, said wavelength selection filter being secured to said lens of said first optical system.

8. (Original) The optical multi/demultiplexer according to claim 6, wherein each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein.

9. (Original) The optical multi/demultiplexer according to claim 8, wherein said optical fiber holder of said first optical system has a through hole rectangularly formed for receiving both of said optical fibers for guiding light transferred to and from said wavelength selection filter.
10. (Original) The optical multi/demultiplexer according to claim 8, wherein said optical fiber holder is made of a glass.
11. (Original) The optical multi/demultiplexer according to claim 8, wherein each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive.
12. (Original) The optical multi/demultiplexer according to claim 11, wherein said inner holder is made of a glass.
13. (Original) The optical multi/demultiplexer according to claim 7, wherein said lenses of said first and second optical systems are graded index lenses having a pitch not less than 0.2 and not larger than 0.25.
14. (Currently amended) An optical signal separating device comprising a plurality of optical multi/demultiplexers, each of said optical multi/demultiplexers comprising:
- a wavelength selection filter for selectively transmitting light of a certain wavelength range and reflecting light of other wavelength ranges,
 - a first optical system having an optical fiber for guiding light to be transferred to said wavelength selection filter and an optical fiber for guiding light to be transferred from said wavelength selection filter,

a second optical system having an optical fiber for guiding light transferred to or from said wavelength selection filter, said second optical system being opposingly arranged to said first optical system while interposing said wavelength selection filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter said first optical system and said second optical system secured thereto,

wherein said plurality of optical multi/demultiplexers are sequentially connected in series so as to connect an optical fiber for guiding light to be transferred from said wavelength selection filter of said first optical system of a ~~preceeding~~ preceding sequentially connected optical multi/demultiplexer to an optical fiber for guiding light to be transferred to said wavelength selection filter of said first optical system of a following sequentially connected optical multi/demultiplexer, to thereby sequently separate light of a certain bandwidth from an inputted light signal including light of different wavelengths and output said light of said certain bandwidth from said optical fiber of said second optical system.

15. (Currently amended) An optical signal merging device comprising a plurality of optical multi/demultiplexers, each of said optical multi/demultiplexers comprising:

a wavelength selection filter for selectively transmitting light of a certain wavelength range and reflecting light of other wavelengths,

a first optical system having an optical fiber for guiding light to be transferred to said wavelength selection filter and an optical fiber for guiding light to be transferred from said wavelength selection filter,

a second optical system having an optical fiber for guiding light transferred to or from said wavelength selection filter, said second optical system being opposingly arranged to said first optical system while interposing said wavelength selection filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter said first optical system and said second optical system secured thereto,

wherein said plurality of optical multi/demultiplexers are sequently connected in series so as to connect an optical fiber for guiding light to be transferred to said wavelength selection filter of said first optical system of a ~~preceeding~~ preceding sequentially connected optical multi/demultiplexer to an optical fiber for guiding light to be transferred from said wavelength selection filter of said first optical system of a following sequentially connected optical multi/demultiplexer, to thereby sequently merge light of a certain bandwidth inputted from said second optical system and transmitted through said wavelength selection filter.

16. (Currently amended) An optical equalizer comprising:

a first optical system having an optical fiber for guiding light to be equalized,
an equalization filter for equalizing light introduced through an optical fiber of said first optical system,

a second optical system having an optical fiber for guiding light having passed through said equalization filter, said second optical system being opposingly arranged to said first optical system while interposing said equalization filter therebetween, and

an outer cylindrically shaped glass holder, said outer holder being adapted to hold therein said wavelength selection filter said first optical system and said second optical system secured thereto,

wherein each of said first and second optical systems comprises an inner holder for holding said optical fiber holder and said lens, said inner holders being secured to said outer holder with a photo-curing adhesive.

17. (Original) The optical equalizer according to claim 16, wherein each of said first and second optical systems comprises a lens optically connecting said optical fiber and said equalization filter respectively, said equalization filter being secured to one of said lenses of said first and second optical systems.

18. (Original) The optical equalizer according to claim 16, wherein each of said first and second optical systems comprises an optical fiber holder having a through hole for receiving said optical fiber inserted therein.

19. (Original) The optical equalizer according to claim 18, wherein said optical fiber holder is made of a glass.

20. (Cancelled).

21. (Currently amended) The optical equalizer according to claim ~~[[20]]~~ 16, wherein said inner holder is made of a glass.

22. (Original) The optical equalizer according to claim 17, wherein said lenses of said first and second optical systems are graded index lenses having a pitch not less than 0.2 and not larger than 0.25.

IN THE DRAWINGS

Figure 20 is proposed to be amended to include the legend “Prior Art.” The proposed replacement drawing sheet, which includes Figure 20 only, is attached to this Response, along with a redlined version.